

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--------------------|------------------|---------|---------------------|
| S1 | 1 | "10/553616" | US-PGPUB; USPAT | OR | ON | 2008/03/14 18:07 |
| S2 | 35 | "369".clas. and (((focus \$4 focal) near3 (search \$3 pull\$1in (pull\$3 adj1 in))) same (revers \$3)) | US-PGPUB; USPAT | OR | ON | 2008/03/14 18:17 |
| S3 | 54 | "369".clas. and (((focus \$4 focal) near3 (search \$3 pull\$1in (pull\$3 adj1 in))) same (revers \$3 ((switch\$3 chang\$3 opposite) near3 direction)))) | US-PGPUB; USPAT | OR | ON | 2008/03/17 11:22 |
| S4 | 0 | "369".clas. and (((focus \$4 focal) near3 (search \$3 pull\$1in (pull\$3 adj1 in))) same ((pass \$3 near3 (target\$3 near3 (layer surface))) with (revers\$3 ((switch \$3 chang\$3 opposite) near3 direction)))) | US-PGPUB; USPAT | OR | ON | 2008/03/17 11:44 |
| S6 | 0 | "369".clas. and (((focus \$4 focal) near3 (search \$3 pull\$1in (pull\$3 adj1 in))) same ((pass \$3 near3 (layer surface)) same (revers \$3 ((switch\$3 chang\$3 opposite) near3 direction)))) | US-PGPUB; USPAT | OR | ON | 2008/03/17 11:45 |
| S5 | 0 | "369".clas. and (((focus \$4 focal) near3 (search \$3 pull\$1in (pull\$3 adj1 in))) same ((pass \$3 near3 (target\$3 near3 (layer surface))) same (revers\$3 ((switch\$3 chang\$3 opposite) near3 direction)))) | US-PGPUB; USPAT | OR | ON | 2008/03/17 11:45 |

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|-----|----|--|-----------------|----|----|------------------|
| S8 | 1 | "369".clas. and (((focus \$4 focal) near3 (search \$3 pull\$1in (pull\$3 adj1 in))) same (((amplitude quantity) near3 (less\$2 below) near3 (threshold level)) (s\$1wave s \$1shaped s\$1curve s \$1shape ("s" adj1 (shap \$3 curve wave)) (zero adj1 cross\$3))) with (revers\$3 ((switch\$3 chang\$3 opposite) near3 direction)))) | US-PGPUB; USPAT | OR | ON | 2008/03/17 11:49 |
| S7 | 10 | "369".clas. and (((focus \$4 focal) near3 (search \$3 pull\$1in (pull\$3 adj1 in))) same (((amplitude quantity) near3 (less\$2 below) near3 (threshold level)) (s\$1wave s \$1shaped s\$1curve s \$1shape ("s" adj1 (shap \$3 curve wave)) (zero adj1 cross\$3))) same (revers\$3 ((switch\$3 chang\$3 opposite) near3 direction)))) | US-PGPUB; USPAT | OR | ON | 2008/03/17 11:49 |
| S9 | 37 | "369".clas. and (((focus \$4 focal) near3 (search \$3 pull\$1in (pull\$3 adj1 in))) same ((revers \$3 switch\$3 chang\$3 opposite) near3 (direction away toward)))) | US-PGPUB; USPAT | OR | ON | 2008/03/17 11:56 |
| S10 | 32 | "369".clas. and (((focus \$4 focal) near3 (search \$3 pull\$1in (pull\$3 adj1 in))) same ((revers \$3 switch\$3 chang\$3 opposite) near3 (direction)))) | US-PGPUB; USPAT | OR | ON | 2008/03/17 11:57 |

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|-----|----|---|-----------------|----|----|------------------|
| S11 | 16 | "369".clas. and (((focus \$4 focal) near3 (search \$3 pull\$1in (pull\$3 adj1 in))) same ((revers \$3 switch\$3 chang\$3 opposite) near3 (direction))) and ((information record\$3 data writ\$3) near3 (multi\$1layer multi \$1layered multi \$1surface layers! surfaces! ((dual second plural\$3 multiple) near3 (layer\$3 surface)))) | US-PGPUB; USPAT | OR | ON | 2008/03/17 11:59 |
| S12 | 94 | "369".clas. and (((focus \$4 focal) near3 (jump \$3 search\$3 pull\$1in (pull\$3 adj1 in))) same ((revers\$3 switch\$3 chang\$3 opposite) near3 (direction))) and ((information record\$3 data writ\$3) near3 (multi\$1layer multi \$1layered multi \$1surface layers! surfaces! ((dual second plural\$3 multiple) near3 (layer\$3 surface)))) | US-PGPUB; USPAT | OR | ON | 2008/03/17 12:03 |
| S13 | 99 | "369".clas. and (((focus \$4 focal) near3 (jump \$3 search\$3 pull\$1in (pull\$3 adj1 in))) same ((mov\$3 with toward with away) ((revers\$3 switch\$3 chang\$3 opposite) near3 direction))) and ((information record\$3 data writ\$3) near3 (multi\$1layer multi \$1layered multi \$1surface layers! surfaces! ((dual second plural\$3 multiple) near3 (layer\$3 surface)))) | US-PGPUB; USPAT | OR | ON | 2008/03/17 12:07 |

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| S14 | 20 | "369".clas. and (((focus \$4 focal) near3 (search \$3 pull\$1in (pull\$3 adj1 in))) same ((mov \$3 with toward with away) ((revers\$3 switch\$3 chang\$3 opposite) near3 direction))) and ((information record\$3 data writ\$3) near3 (multi\$1layer multi \$1layered multi \$1surface layers! surfaces! ((dual second plural\$3 multiple) near3 (layer\$3 surface)))) | US-PGPUB; USPAT | OR | ON | 2008/03/17 12:08 |
| S15 | 31 | "369".clas. and ((detect \$3 determin\$5) near5 ((pass\$3 past) near3 ((surface layer) near2 (information record\$3 data)))) | US-PGPUB; USPAT | OR | ON | 2008/03/18 10:46 |
| S16 | 8 | "369".clas. and ((detect \$3 determin\$5) near5 ((pass\$3 past) near3 ((surface layer) near2 (information record\$3 data))) near4 (focus focal)) | US-PGPUB; USPAT | OR | ON | 2008/03/18 10:48 |
| S17 | 508 | "369".clas. and ((focus \$4 focal) near3 (jump \$3 search\$3 pull\$1in (pull\$3 adj1 in))) and ((information record\$3 data writ\$3) near3 (multi\$1layer multi \$1layered multi \$1surface layers! surfaces! ((dual second plural\$3 multiple) near3 (layer\$3 surface)))) | US-PGPUB; USPAT | OR | ON | 2008/03/18 11:31 |

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|-----|----|--|-----------------|----|----|------------------|
| S18 | 61 | "369".clas. and ((focus \$4 focal) near3 (jump \$3 search\$3 pull\$1in (pull\$3 adj1 in))) and ((information record\$3 data writ\$3) near3 (multi\$1layer multi \$1layered multi \$1surface layers! surfaces! ((dual second plural\$3 multiple) near3 (layer\$3 surface)))) and (fes fe ((focus\$4 focal) near3 error near5 ((zero near2 cross\$3) zc\$1 s \$1wave s\$1shaped s \$1curve s\$1shape ("s" adj1 (shap\$3 curve wave)))) and (fok ((amplitude quantity sum summation) near6 (threshold ((above below higher lower less \$2 greater compar\$3) near3 (reference level)))))) | US-PGPUB; USPAT | OR | ON | 2008/03/18 11:40 |
| S19 | 2 | (battaglia.xa. battaglia. xp.) and S17 | US-PGPUB; USPAT | OR | ON | 2008/03/18 11:43 |
| S21 | 49 | "369".clas. and ((focus \$4 focal) near3 (jump \$3 search\$3 pull\$1in (pull\$3 adj1 in))) and ((information record\$3 data writ\$3) near3 (multi\$1layer multi \$1layered multi \$1surface layers! surfaces! ((dual second plural\$3 multiple) near3 (layer\$3 surface)))) and (((fes fe ((focus\$4 focal) near3 error)) near5 ((zero near2 cross\$3) zc\$1 s\$1wave s \$1shaped s\$1curve s \$1shape ("s" adj1 (shap \$3 curve wave)))) and (rfok fok ((amplitude | US-PGPUB; USPAT | OR | ON | 2008/03/18 11:54 |

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|-----|----|--|------------------------|----|----|---------------------|
| | | quantity sum summation) near6 (threshold ((above below higher lower less \$2 greater compar\$3) near3 (reference level)))))) | | | | |
| S20 | 49 | "369".clas. and ((focus \$4 focal) near3 (jump \$3 search\$3 pull\$1in (pull\$3 adj1 in))) and ((information record\$3 data writ\$3) near3 (multi\$1layer multi \$1layered multi \$1surface layers! surfaces! ((dual second plural\$3 multiple) near3 (layer\$3 surface)))) and (((fes fe ((focus\$4 focal) near3 error)) near5 ((zero near2 cross\$3) zc\$1 s\$1wave s \$1shaped s\$1curve s \$1shape ("s" adj1 (shap \$3 curve wave)))))) and (fok ((amplitude quantity sum summation) near6 (threshold ((above below higher lower less \$2 greater compar\$3) near3 (reference level)))))) | US- PGPUB; USPAT | OR | ON | 2008/03/18 11:54 |
| S22 | 56 | "369".clas. and ((focus \$4 focal) near3 (jump \$3 search\$3 pull\$1in (pull\$3 adj1 in))) and ((information record\$3 data writ\$3) near3 (multi\$1layer multi \$1layered multi \$1surface layers! surfaces! ((dual second plural\$3 multiple) near3 (layer\$3 surface)))) and (((fes fe ((focus\$4 focal) near3 error)) near5 ((zero near2 cross\$3) | US- PGPUB; USPAT | OR | ON | 2008/03/18 12:42 |

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|-----|---|---|------------------------|----|----|---------------------|
| | | zc\$1 s\$1wave s \$1shaped s\$1curve s \$1shape ("s" adj1 (shap \$3 curve wave)))) and (rfok fok ((amplitude quantity sum summation) near6 (threshold ((above below higher lower less \$2 greater compar\$3) near3 (predetermined reference level)))) | | | | |
| S24 | 4 | "369".clas. and ((focus \$4 focal) near3 (jump \$3 search\$3 pull\$1in (pull\$3 adj1 in)) and ((information record\$3 data writ\$3) near3 (multi\$1layer multi \$1layered multi \$1surface layers! surfaces! ((dual second plural\$3 multiple) near3 (layer\$3 surface)))) and (((fes fe ((focus\$4 focal) near3 error)) near5 ((zero near2 cross\$3) zc\$1 s\$1wave s \$1shaped s\$1curve s \$1shape ("s" adj1 (shap \$3 curve wave)))) and (rfok fok ((amplitude quantity sum summation) near6 (threshold ((above below higher lower less \$2 greater compar\$3) near3 (predetermined reference level)))) and ((switch\$3 chang \$3 revers\$3) near4 direction near6 (objective lens)) | US- PGPUB; USPAT | OR | ON | 2008/03/18 12:43 |

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|-----|---|---|-----------------|----|----|------------------|
| S23 | 1 | "369".clas. and ((focus \$4 focal) near3 (jump \$3 search\$3 pull\$1in (pull\$3 adj1 in))) and ((information record\$3 data writ\$3) near3 (multi\$1layer multi \$1layered multi \$1surface layers! surfaces! ((dual second plural\$3 multiple) near3 (layer\$3 surface)))) and (((fes fe ((focus\$4 focal) near3 error)) near5 ((zero near2 cross\$3) zc\$1 s\$1wave s \$1shaped s\$1curve s \$1shape ("s" adj1 (shap \$3 curve wave)))) and (rfok fok ((amplitude quantity sum summation) near6 (threshold ((above below higher lower less \$2 greater compar\$3) near3 (predetermined reference level)))) and ((switch\$3 chang \$3) near4 direction near6 (objective lens)) | US-PGPUB; USPAT | OR | ON | 2008/03/18 12:43 |
| S25 | 2 | "369".clas. and ((rfok fok ((amplitude quantity sum summation) near6 (threshold ((above below higher lower less \$2 greater compar\$3) near3 (predetermined reference level)))) same ((revers\$3 switch \$3 chang\$3) near4 (movement mov\$3 direction) near3 (objective lens converging))) | US-PGPUB; USPAT | OR | ON | 2008/03/18 14:11 |

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| S26 | 3 | "369".clas. and ((rfok fok ((amplitude quantity sum summation) near6 (threshold ((above below higher lower less \$2 greater compar\$3) near3 (predetermined reference level)))) same ((revers\$3 switch \$3 chang\$3) near4 (movement mov\$3 direction) near3 (head search\$3 lens pick\$1up (pick adj1 up)))) | US-PGPUB; USPAT | OR | ON | 2008/03/18 14:12 |
| S27 | 7 | "369".clas. and ((rfok fok ((amplitude quantity sum summation) near6 (threshold ((above below higher lower less \$2 greater compar\$3) near3 (predetermined reference level)))) same ((revers\$3 switch \$3 chang\$3 stop\$4 brak\$3 slow\$3) near4 (movement mov\$3 direction motion) near3 (head search\$3 lens pick\$1up (pick adj1 up)))) | US-PGPUB; USPAT | OR | ON | 2008/03/18 14:16 |
| S28 | 1563 | "369".clas. and ((pass \$3 past over\$1run\$4 over\$1shoot\$3 (over adj1 (run\$4 shoot\$3))) near3 ((target information data record \$3 writ\$3) near3 (layer surface))) | US-PGPUB; USPAT | OR | ON | 2008/03/18 14:22 |
| S29 | 467 | ((pass\$3 past over \$1run\$4 over\$1shoot \$3 (over adj1 (run\$4 shoot\$3))) near3 ((target information data record\$3 writ\$3) near3 (layer surface))) | EPO; JPO | OR | ON | 2008/03/18 14:23 |

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| S31 | 3 | ((pass\$3 past over \$1run\$4 over\$1shoot \$3 (over adj1 (run\$4 shoot\$3))) near3 ((target information data record\$3 writ\$3) near3 (layer surface))) and ((focus\$4 focal) near3 (jump\$3 search \$3 pull\$1in (pull\$3 adj1 in))) | EPO; JPO | OR | ON | 2008/03/18 14:24 |
| S30 | 130 | "369".clas. and ((pass \$3 past over\$1run\$4 over\$1shoot\$3 (over adj1 (run\$4 shoot\$3))) near3 ((target information data record \$3 writ\$3) near3 (layer surface))) and ((focus \$4 focal) near3 (jump \$3 search\$3 pull\$1in (pull\$3 adj1 in))) | US-PGPUB; USPAT | OR | ON | 2008/03/18 14:24 |
| S32 | 24 | "369".clas. and ((pass \$3 past over\$1run\$4 over\$1shoot\$3 (over adj1 (run\$4 shoot\$3))) near3 ((target information data record \$3 writ\$3) near3 (layer surface))) same ((focus \$4 focal) near3 (jump \$3 search\$3 pull\$1in (pull\$3 adj1 in))) | US-PGPUB; USPAT | OR | ON | 2008/03/18 14:27 |
| S33 | 20 | "369".clas. and ((focus near3 (search\$3 pull \$1in pulling\$in pull\$3 lead\$in)) same timer) | US-PGPUB; USPAT | OR | ON | 2008/03/21 21:42 |
| S35 | 50 | "369".clas. and ((focus near3 (search\$3 pull \$1in pulling\$in pull\$3 lead\$in)) with (tim\$3 near3 (start\$3 begin \$4))) | US-PGPUB; USPAT | OR | ON | 2008/03/21 21:43 |
| S34 | 76 | "369".clas. and ((focus near3 (search\$3 pull \$1in pulling\$in pull\$3 lead\$in)) same (tim\$3 near3 (start\$3 begin \$4))) | US-PGPUB; USPAT | OR | ON | 2008/03/21 21:43 |

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| S36 | 63 | "369".clas. and ((focus near3 (search\$3 pull \$1in pulling\$in pull\$3 lead\$in)) same (tim\$3 with (revers\$3 switch \$3))) | US-PGPUB; USPAT | OR | ON | 2008/03/21 21:44 |
| S38 | 26 | "369".clas. and ((focus near3 (search\$3 pull \$1in pulling\$in pull\$3 lead\$in)) same (((revers\$3 switch\$3 chang\$3) near3 (direction ((up closer upward toward approach\$3) with (down downward away farther)))))) | US-PGPUB; USPAT | OR | ON | 2008/03/21 21:45 |
| S37 | 6 | "369".clas. and ((focus near3 (search\$3 pull \$1in pulling\$in pull\$3 lead\$in)) same (tim\$3 with ((revers\$3 switch \$3 chang\$3) near3 (direction ((up closer upward toward approach\$3) with (down downward away farther)))))) | US-PGPUB; USPAT | OR | ON | 2008/03/21 21:45 |
| S39 | 58 | "369".clas. and ((focus near3 (search\$3 pull \$1in pulling\$in pull\$3 lead\$in)) and (tim\$3 with ((revers\$3 switch \$3 chang\$3) near3 (direction ((up closer upward toward approach\$3) with (down downward away farther)))))) | US-PGPUB; USPAT | OR | ON | 2008/03/21 21:46 |

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| S42 | 36 | "369".clas. and ((focus near3 (captur\$3 range clos\$3 search\$3 pull \$1in pulling\$in pull\$3 lead\$in)) same (((revers\$3 switch\$3 chang\$3) near3 (direction ((up closer upward toward approach\$3) with (down downward away farther)))))) | US-PGPUB; USPAT | OR | ON | 2008/03/21 21:47 |
| S41 | 32 | "369".clas. and ((focus near3 (capture clos\$3 search\$3 pull\$1in pulling\$in pull\$3 lead \$in)) same (((revers\$3 switch\$3 chang\$3) near3 (direction ((up closer upward toward approach\$3) with (down downward away farther)))))) | US-PGPUB; USPAT | OR | ON | 2008/03/21 21:47 |
| S40 | 32 | "369".clas. and ((focus near3 (clos\$3 search\$3 pull\$1in pulling\$in pull \$3 lead\$in)) same (((revers\$3 switch\$3 chang\$3) near3 (direction ((up closer upward toward approach\$3) with (down downward away farther)))))) | US-PGPUB; USPAT | OR | ON | 2008/03/21 21:47 |
| S43 | 44 | "369".clas. and (((focus \$4 in\$1focus) near3 (captur\$3 range clos\$3 search\$3 pull\$1in pulling\$in pull\$3 lead \$in)) same (((revers\$3 switch\$3 chang\$3) near3 (direction ((up closer upward toward approach\$3) with (down downward away farther)))))) | US-PGPUB; USPAT | OR | ON | 2008/03/21 21:48 |

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| S45 | 58 | "369".clas. and ((focus near3 (search\$3 pull \$1in pulling\$in pull\$3 lead\$in)) and (tim\$3 with ((revers\$3 switch \$3 chang\$3) near3 (direction ((up closer upward toward approach\$3) with (distant farther further down downward away farther)))))) | US-PGPUB; USPAT | OR | ON | 2008/03/21 21:52 |
| S44 | 6 | "369".clas. and ((focus near3 (search\$3 pull \$1in pulling\$in pull\$3 lead\$in)) same (tim\$3 with ((revers\$3 switch \$3 chang\$3) near3 (direction ((up closer upward toward approach\$3) with (distant farther further down downward away farther)))))) | US-PGPUB; USPAT | OR | ON | 2008/03/21 21:52 |
| S46 | 59 | "369".clas. and ((focus near3 (lock\$3 search\$3 pull\$1in pulling\$in pull \$3 lead\$in)) and (tim \$3 with ((revers\$3 switch\$3 chang\$3) near3 (direction ((up closer upward toward approach\$3) with (distant farther further down downward away farther)))))) | US-PGPUB; USPAT | OR | ON | 2008/03/21 22:01 |
| S48 | 17 | "369".clas. and ((focus near3 (lock\$3 search\$3 pull\$1in pulling\$in pull \$3 lead\$in)) same ((fes fok fsum sum summation fzc threshold (level near2 (reference predetermined)) (focus near2 (error signal)) amplitude quantity voltage) with ((revers \$3 switch\$3 chang\$3) near3 (direction ((up closer upward toward | US-PGPUB; USPAT | OR | ON | 2008/03/21 22:11 |

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| | | approach\$3) with (distant farther further down downward away farther)))))) | | | | |
| S47 | 61 | "369".clas. and ((focus near3 (lock\$3 search\$3 pull\$1in pulling\$in pull \$3 lead\$in)) and ((fes fok fsum sum summation fzc threshold (level near2 (reference predetermined)) (focus near2 (error signal)) amplitude quantity voltage) with ((revers \$3 switch\$3 chang\$3) near3 (direction ((up closer upward toward approach\$3) with (distant farther further down downward away farther)))))) | US- PGPUB; USPAT | OR | ON | 2008/03/21 22:11 |
| S50 | 106 | "369".clas. and ((focus near3 (lock\$3 search\$3 pull\$1in pulling\$in pull \$3 lead\$in)) and ((surface plane layer fes fok fsum sum summation fzc threshold (level near2 (reference predetermined)) (focus near2 (error signal)) amplitude quantity voltage) with ((revers \$3 switch\$3 chang\$3) near3 (direction ((up closer upward toward approach\$3) with (distant farther further down downward away farther)))))) | US- PGPUB; USPAT | OR | ON | 2008/03/21 22:12 |

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| S49 | 23 | "369".clas. and ((focus near3 (lock\$3 search\$3 pull\$1in pulling\$in pull \$3 lead\$in)) same ((surface plane layer fes fok fsum sum summation fzc threshold (level near2 (reference predetermined)) (focus near2 (error signal)) amplitude quantity voltage) with ((revers \$3 switch\$3 chang\$3) near3 (direction ((up closer upward toward approach\$3) with (distant farther further down downward away farther)))))) | US-PGPUB; USPAT | OR | ON | 2008/03/21 22:12 |
| S51 | 2 | "369".clas. and ((focus near3 (lock\$3 search\$3 pull\$1in pulling\$in pull \$3 lead\$in)) same ((tim \$3 surface plane layer fes fok fsum sum summation fzc threshold (level near2 (reference predetermined)) (focus near2 (error signal)) amplitude quantity voltage) with (invert\$3 near4 (voltage output signal)))) | US-PGPUB; USPAT | OR | ON | 2008/03/21 22:34 |
| S55 | 3 | ("369" "720").clas. and ((rfok fok ((amplitude quantity sum summation) near6 (threshold ((above below higher lower less \$2 greater compar\$3) near3 (predetermined reference level)))) same ((revers\$3 switch \$3 chang\$3) near4 (movement mov\$3 direction) near3 (head search\$3 lens pick\$1up (pick adj1 up)))) | US-PGPUB; USPAT | OR | ON | 2008/03/23 11:47 |

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| S54 | 1 | ("369" "720").clas. and (((focus\$4 focal) near3 (search\$3 pull\$1in (pull \$3 adj1 in))) same (((amplitude quantity) near3 (less\$2 below) near3 (threshold level)) (s\$1wave s \$1shaped s\$1curve s \$1shape ("s" adj1 (shap \$3 curve wave)) (zero adj1 cross\$3))) with (revers\$3 ((switch\$3 chang\$3 opposite) near3 direction)))) | US-PGPUB; USPAT | OR | ON | 2008/03/23 11:47 |
| S53 | 0 | ("369" "720").clas. and (((focus\$4 focal) near3 (search\$3 pull\$1in (pull \$3 adj1 in))) same ((pass\$3 near3 (layer surface)) same (revers \$3 ((switch\$3 chang\$3 opposite) near3 direction)))) | US-PGPUB; USPAT | OR | ON | 2008/03/23 11:47 |
| S52 | 0 | ("369" "720").clas. and (((focus\$4 focal) near3 (search\$3 pull\$1in (pull \$3 adj1 in))) same ((pass\$3 near3 (target \$3 near3 (layer surface))) with (revers \$3 ((switch\$3 chang\$3 opposite) near3 direction)))) | US-PGPUB; USPAT | OR | ON | 2008/03/23 11:47 |
| S56 | 17 | ("369" "720").clas. and ((focus near3 (lock\$3 search\$3 pull\$1in pulling\$in pull\$3 lead \$in)) same ((fes fok fsum sum summation fzc threshold (level near2 (reference predetermined)) (focus near2 (error signal)) amplitude quantity voltage) with ((revers \$3 switch\$3 chang\$3) near3 (direction ((up closer upward toward approach\$3) with (distant farther further | US-PGPUB; USPAT | OR | ON | 2008/03/23 11:48 |

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| | | down downward away farther)))))) | | | | |
| S57 | 52 | ("369" "720").clas. and ((fast\$2 quick\$2 efficient\$2) with (focus near3 (lock\$3 search\$3 pull\$1in pulling\$in pull \$3 lead\$in))) | US-PGPUB; USPAT | OR | ON | 2008/03/23 11:50 |
| S58 | 75 | ("369" "720").clas. and ((fast\$2 quick\$2 efficient\$2 (time near3 reduc\$4)) with (focus near3 (lock\$3 search\$3 pull\$1in pulling\$in pull \$3 lead\$in))) | US-PGPUB; USPAT | OR | ON | 2008/03/23 11:55 |
| S59 | 80 | ("369" "720").clas. and ((switch\$3 select\$3) near5 (((ramp\$3 search \$3) near4 (fe fes (focus near3 (signal error)))) (open near3 close near3 focus\$4))) | US-PGPUB; USPAT | OR | ON | 2008/03/23 18:34 |
| S60 | 25 | ("369" "720").clas. and ((switch\$3 select\$3) near5 (((ramp\$3 search \$3) near4 (fe fes (focus near3 (signal error)))) (open near3 close near3 focus\$4))) and ((second two multiple multi) near3 ((data information record\$3 writ\$3) near3 (surface layer))) | US-PGPUB; USPAT | OR | ON | 2008/03/24 09:11 |
| S61 | 2 | ("369" "720").clas. and ((detect\$3 near3 ((upper second) near3 layer)) with ((switch\$3 chang\$3 ramp\$3) near4 (decend\$3 (mov \$3 near3 (opposite away further farther down downward\$2)) direction))) | US-PGPUB; USPAT | OR | ON | 2008/03/24 09:27 |

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| S62 | 6 | ("369" "720").clas. and ((detect\$3 near3 ((upper second) near3 layer)) with ((switch\$3 chang\$3 ramp\$3 lens) near4 (decend\$3 (mov\$3 near3 (opposite away further farther down downward\$2)) direction))) | US-PGPUB; USPAT | OR | ON | 2008/03/24 09:29 |
| S63 | 32 | ("369" "720").clas. and (((detect\$3 pass\$3 locat\$3 determin\$5) near3 ((upper second) near3 (layer surface plane))) with ((switch\$3 chang\$3 ramp\$3 lens) near4 (decend\$3 (mov\$3 near3 (opposite away further farther down downward\$2)) direction))) | US-PGPUB; USPAT | OR | ON | 2008/03/24 09:32 |
| S64 | 5 | ("369" "720").clas. and (((detect\$3 pass\$3 locat\$3 determin\$5) near3 ((upper second) near3 (layer surface plane))) with ((switch\$3 chang\$3 ramp\$3 lens) near4 (decend\$3 (mov\$3 near3 (opposite away further farther down downward\$2)) direction))) and ((focus\$4 focal) near3 (search\$3 pull\$1in (pull\$3 adj1 in))) | US-PGPUB; USPAT | OR | ON | 2008/03/24 09:39 |
| S65 | 0 | ("369" "720").clas. and ((second two multiple multi) near3 ((data information record\$3 writ\$3) near3 (surface layer))) and (fe fes (focus near3 (signal error))) and ((instruct\$3 near3 (revers\$3 ((switch\$3 chang\$3) near3 (mov\$3 direction)))) same ((focus\$4 focal) near3 (search\$3 pull\$1in (pull\$3 adj1 in))) | US-PGPUB; USPAT | OR | ON | 2008/03/24 09:48 |

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| | | \$3 adj1 in)))) | | | | |
| S67 | 20 | ("369" "720").clas. and ((second two multiple multi) near3 ((data information record\$3 writ\$3) near3 (surface layer))) and (fe fes (focus near3 (signal error))) and (((revers \$3 ((switch\$3 chang \$3) near3 (mov\$3 direction)))) same ((focus\$4 focal) near3 (search\$3 pull\$1in (pull \$3 adj1 in)))) | US-PGPUB; USPAT | OR | ON | 2008/03/24 09:49 |
| S66 | 0 | ("369" "720").clas. and ((second two multiple multi) near3 ((data information record\$3 writ\$3) near3 (surface layer))) and (fe fes (focus near3 (signal error))) and ((controll \$3 near5 (revers\$3 ((switch\$3 chang\$3) near3 (mov\$3 direction)))) same ((focus\$4 focal) near3 (search\$3 pull\$1in (pull \$3 adj1 in)))) | US-PGPUB; USPAT | OR | ON | 2008/03/24 09:49 |
| S68 | 8 | ("369" "720").clas. and (timer with (fok)) | US-PGPUB; USPAT | OR | ON | 2008/03/24 12:04 |
| S69 | 1 | ("369" "720").clas. and ((monitor\$3 detect\$3 determin\$5) near5 (fall \$3 near3 fok)) | US-PGPUB; USPAT | OR | ON | 2008/03/24 12:42 |
| S70 | 3 | ("369" "720").clas. and ((monitor\$3 detect\$3 determin\$5) near5 ((fall \$3 ((high "1") near2 ("0" low))) near3 fok)) | US-PGPUB; USPAT | OR | ON | 2008/03/24 12:43 |
| S71 | 3 | ("369" "720").clas. and ((monitor\$3 detect\$3 determin\$5) near5 ((fall \$3 ((high "1") adj2 ("0" low))) near3 fok)) | US-PGPUB; USPAT | OR | ON | 2008/03/24 12:44 |

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| S72 | 3 | ("369" "720").clas. and ((monitor\$3 detect\$3 determin\$5 count\$3) near5 ((fall\$3 ((high "1") adj2 ("0" low))) near3 fok)) | US-PGPUB; USPAT | OR | ON | 2008/03/24 12:45 |
| S75 | 253 | ("369" "720").clas. and ((count\$3) near5 (((fall\$3 near3 edge) ((high "1") adj2 ("0" low))))) | US-PGPUB; USPAT | OR | ON | 2008/03/24 12:46 |
| S74 | 384 | ("369" "720").clas. and ((count\$3) near5 ((fall\$3 ((high "1") adj2 ("0" low))))) | US-PGPUB; USPAT | OR | ON | 2008/03/24 12:46 |
| S73 | 0 | ("369" "720").clas. and ((count\$3) near5 ((fall\$3 ((high "1") adj2 ("0" low))) near3 fok)) | US-PGPUB; USPAT | OR | ON | 2008/03/24 12:46 |
| S76 | 38 | ("369" "720").clas. and ((count\$3) near5 (((fall\$3 near3 edge) ((high "1") adj2 ("0" low)))) near6 pulse) | US-PGPUB; USPAT | OR | ON | 2008/03/24 12:47 |
| S77 | 102 | ("369" "720").clas. and (count\$3 with pulse with ((fall\$3 near3 edge) ((high "1") adj2 ("0" low)))) | US-PGPUB; USPAT | OR | ON | 2008/03/24 12:48 |
| S78 | 40 | ("369" "720").clas. and ((count\$3 with pulse with ((fall\$3 near3 edge) ((high "1") adj2 ("0" low)))) same (count\$3 with pulse with ((rising\$3 near3 edge) (("0" low) adj2 (high "1"))))) | US-PGPUB; USPAT | OR | ON | 2008/03/24 12:49 |
| S79 | 1 | ("369" "720").clas. and ((count\$3 with pulse with ((fall\$3 near3 edge) ((high "1") adj2 ("0" low)))) same (count\$3 with pulse with ((rising\$3 near3 edge) (("0" low) adj2 (high "1")))) same (alternat\$5 another option\$5)) | US-PGPUB; USPAT | OR | ON | 2008/03/24 12:52 |

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| S80 | 2 | ("369" "720").clas. and ((count\$3 with pulse with ((fall\$3 near3 edge) ((high "1") adj2 ("0" low)))) same (count\$3 with pulse with ((rising\$3 near3 edge) (("0" low) adj2 (high "1")))) same (alternat\$5 another option\$5 either)) | US-PGPUB; USPAT | OR | ON | 2008/03/24 12:53 |
| S81 | 3 | ("369" "720").clas. and ((count\$3 increment \$3) with fok) and ((second two multiple multi) near3 ((data information record\$3 writ\$3) near3 (surface layer))) | US-PGPUB; USPAT | OR | ON | 2008/03/24 13:13 |
| S83 | 1 | ("369" "720").clas. and (((determin\$5 count\$3 increment\$3 detect\$3) with ((number two three) near3 ((data information record\$3 writ\$3) near3 (surface layer)))) same fok) | US-PGPUB; USPAT | OR | ON | 2008/03/24 13:16 |
| S82 | 0 | ("369" "720").clas. and ((determin\$5 count\$3 increment\$3 detect\$3) with ((number two three) near3 ((data information record\$3 writ\$3) near3 (surface layer))) with fok) | US-PGPUB; USPAT | OR | ON | 2008/03/24 13:16 |
| S84 | 1 | ("369" "720").clas. and (count\$3 near3 fok) | US-PGPUB; USPAT | OR | ON | 2008/03/24 13:22 |

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